

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))Docket No.
154024-1In Re Application Of: **BUNKER ET AL.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/711,131	08/26/2004	NYA	23413	3746	5130

Title: **COMBUSTOR COOLING WIHT ANGLED SEGMENTED SURFACES****RECEIVED**
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Alexandria, VA 22313-1450**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);**OR**☐ the fee set forth in 37 CFR 1.17(p).

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Title: **COMBUSTOR COOLING WITH ANGLED SEGMENTED SURFACES****Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 06-1130 as described below.
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Dated: November 24, 2004

James J. Merrick
Reg. No. 43,801
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860-286-2929

cc:

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.

154024-1

APPLICATION NO.

10/711,131

APPLICANT(S)

BUNKER ET AL.

FILING DATE

08/26/2004

GROUP ART UNIT

3746

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	6,098,397	08/08/2000	Glezer et al.	30	39.02	06/08/1998
	2	6,546,730 B2	04/15/2003	Johnson et al.	60	752	06/12/2002
	3	6,681,578 B1	01/27/2004	Bunker	60	772	11/22/2002

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	4	J.C. Han et al.; "High performance heat transfer ducts with parallel broken and V-shaped broken ribs;" Int. J. Heat Duct Transfer, Vol. 35, No. 2, 1992, pages 513 - 523
	5	Robert Kiml et al.; "Heat Transfer Enhancement Mechanism in a Rectangular Passage with V- and A- Shaped Ribs;" Journal of Flow Visulation & Image Processing, Vol. 8; 2001; pages 51 - 68

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

6	D. H. Rhee et al.; "Effects of Duct Aspect Ratios on Heat/Mass Transfer with Discrete V-Shaped Ribs;" Proceedings of ASME Turbo Expo 2003; pages 1-8
7	M. E. Taalin et al.; "Experimental Heat Transfer and Friction in Channels Roughened with Angled, V-Shaped and Discrete Ribs on Two Opposite Walls;" ASME Journal of Turbomachinery, Vol. 118; 1994; pages 20 - 28.

EXAMINER

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Form PTO-A820

(also form PTO-1449)

PG9C/REV04

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PAGE 4/37 * RCVD AT 11/24/2004 11:20:31 AM [Eastern Standard Time] * SVR:USPTO-EFXXRF-1/1 * DNIS:8729306 * CSID:18602860115 * DURATION (mm-ss):16-26